

## CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting the greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and

lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have 10 or more years of observations. Of course the number of such records is smaller than the total number of stations.

*Temperature and precipitation, by sections, January, 1911.*

Section.	Temperature—in degrees Fahrenheit.										Precipitation—in inches and hundredths.									
	Section average.			Departure from the normal.			Monthly extremes.				Section average.			Greatest monthly.			Least monthly.			
	Station.	Highest.	Date.	Station.	Lowest.	Date.	Station.	Greatest.	Amount.	Station.	Amount.	Station.	Amount.	Station.	Amount.	Station.	Amount.	Station.	Amount.	
Alabama.....	51.9	+	5.7	2 stations.....	82	15	Riverton.....	-2	4.29	Untontown.....	9.48	Mobile.....	1.82	Quartzite.....	0.27					
Arizona.....	48.2	+	3.2	Redrock.....	84	21	Flagstaff (2).....	-16	3	Pinal Ranch.....	8.21	White Cliffs.....	0.21							
Arkansas.....	47.6	+	7.1	Centerpoint.....	86	31	Bergman.....	-9	3	Portland.....	4.23	Bagdad.....	0.00							
California.....	45.7	+	1.0	San Jacinto.....	90	19	Madeline.....	-24	22	Campionville.....	46.88	Cumbres.....	8.27							
Colorado.....	29.7	+	6.6	Hoehne.....	95	31	2 stations.....	-37	2	Burlington.....	13.20	2 stations.....	0.00							
Florida.....	60.9	+	4.0	Orange City.....	88	2	Molino.....	15	4	Atchison.....	1.51	Arcadia.....	0.23							
Georgia.....	50.8	+	4.6	2 stations.....	85	22	2 stations.....	9	4	Diamond.....	1.50	St. George.....	0.24							
Hawaii (December).....	68.5			Ookala, Hawaii.....	87	19	Humulua, Hawaii.....	32	9	Keanomanu Valley.....	60.50	Kealakekua.....	0.36							
Idaho.....	26.7	+	1.5	Guffey.....	59	9	Driggs.....	-39	2	Soldier Creek.....	8.26	Lewiston.....	0.49							
Illinois.....	30.5	+	3.4	2 stations.....	73	11	Aledo.....	-12	3	La Harpe.....	4.17	New Burnside.....	T.							
Indiana.....	32.5	+	4.0	Rome.....	69	13	Paoli.....	-13	4	Monticello.....	5.39	Princeton.....	1.19							
Iowa.....	20.2	+	0.9	Thurman.....	66	29	2 stations.....	-35	3	Burlington.....	3.73	Greenfield.....	0.11							
Kansas.....	24.2	+	4.2	La Crosse.....	85	31	La Crosse.....	-28	3	Atchison.....	1.60	14 stations.....	T.							
Kentucky.....	29.7	+	4.4	2 stations.....	73	13	Beaver Dam.....	-16	4	Pikeville.....	5.66	Marion.....	1.50							
Louisiana.....	38.8	+	7.8	Melville.....	92	18	2 stations.....	7	4	Donaldsonville.....	7.49	Cameron.....	0.31							
Maryland, Delaware.....	36.9	+	4.6	La Plata, Md.....	76	14	Oakland, Md.....	-5	24	Oakland, Md.....	8.17	Woodstock, Md.....	1.90							
Michigan.....	21.8	+	1.6	Adrian.....	58	24	Humboldt.....	-38	6	MacKinnaw.....	4.30	Mount Pleasant.....	0.30							
Minnesota.....	5.4	-	3.6	Windom.....	52	31	2 stations.....	-48	3	New Ulm.....	2.50	Little Fork.....	0.14							
Mississippi.....	52.9	+	6.6	Brookhaven.....	85	30	3 stations.....	-2	14	Crystal Springs.....	6.69	Biloxi.....	1.50							
Missouri.....	34.6	+	4.1	3 stations.....	78	11	2 stations.....	-14	13	Unionville.....	3.70	Hollister.....	0.00							
Montana.....	18.9	-	3.2	4 stations.....	56	18	Grayling.....	-46	2	Snowshoe.....	7.92	Tokna.....	0.07							
Nebraska.....	26.6	+	2.9	McCook.....	78	10	2 stations.....	-35	3	Greeley.....	1.32	3 stations.....	T.							
Nevada.....	31.7	+	2.6	Jean.....	70	8	Tecoma.....	-28	20	Spooner's Ranch.....	15.89	Mina.....	T.							
New England.....	25.2	+	3.6	3 stations.....	60	2	2 stations.....	-33	17	Kingston, R. I.....	4.88	Storrs, Conn.....	1.05							
New Jersey.....	33.5	+	3.6	Woodbine.....	63	2	2 stations.....	0	18	Indian Mills.....	5.34	Sussex.....	1.97							
New Mexico.....	40.1	+	5.6	Carlsbad.....	88	20	Dulee.....	-33	2	Batemer's Ranch.....	4.59	Several stations.....	T.							
New York.....	24.7	+	2.3	Griffin Corners.....	58	21	2 stations.....	-24	15	Elba.....	5.75	Ticonderoga.....	0.50							
North Carolina.....	45.5	+	5.1	Marion.....	81	12	2 stations.....	5	4	Murphy.....	6.45	Kings Mountain.....	0.46							
North Dakota.....	1.0	-	7.9	Haley.....	56	30	Marstonmoor.....	-43	3	Larimore.....	3.65	Hettlinger.....	0.05							
Ohio.....	32.8	+	4.8	Green.....	68	15	Milligan.....	-19	4	Clarington.....	6.61	Defiance.....	1.15							
Oklahoma.....	43.2	+	4.7	2 stations.....	92	31	2 stations.....	-20	3	Fort Gibson.....	1.03	3 stations.....	0.00							
Oregon.....	34.0	-	1.2	Pilot Rock.....	70	18	Yonna.....	-18	23	Happy Home.....	26.11	Hermiston.....	0.11							
Pennsylvania.....	31.6	+	4.2	Altoona.....	70	15	3 stations.....	-5	14	Somerset.....	6.38	Lawrenceville.....	1.25							
Porto Rico.....	72.4	-	0.9	Anasco.....	91	13	Cidra.....	-50	16	Cidra.....	35.34	Hacienda Destino.....	0.36							
South Carolina.....	49.8	+	4.6	3 stations.....	82	13	2 stations.....	-16	5	Clemson College.....	3.53	Beaufort.....	0.55							
South Dakota.....	15.5	-	0.8	Hermosa.....	70	29	2 stations.....	-34	3	Dumont.....	1.80	3 stations.....	T.							
Tennessee.....	43.9	+	5.2	2 stations.....	79	12	Springville.....	-17	4	Decatur.....	6.99	Dyersburg.....	1.30							
Texas.....	55.5	+	7.1	7 stations.....	95	30	Flemons.....	-16	3	Beaumont.....	3.06	12 stations.....	0.00							
Utah.....	31.5	+	5.5	Iosepa.....	86	10	Lucin.....	-23	2	Ranch.....	10.85	Hanksville.....	0.04							
Virginia.....	40.5	+	4.9	2 stations.....	76	14	Burker Garden.....	0	4	New Castle.....	8.77	Galax.....	1.94							
Washington.....	30.9	-	1.4	Kennicott.....	64	27	Snyder's Ranch.....	-25	14	Baker.....	12.93	Moxee.....	0.10							
West Virginia.....	37.3	+	4.9	Burlington.....	71	14	Mannington.....	-5	24	Pickens.....	12.63	Cairo.....	3.11							
Wisconsin.....	15.3	+	0.0	Brodhead.....	48	21	Hatfield.....	-43	4	Bayfield.....	2.70	Waukesha.....	0.29							
Wyoming.....	22.0	+	2.7	Eaton's Ranch.....	65	30	Norris, Y. N. P.....	-54	2	Snake River, Y. N. P.....	8.50	Basin.....	0.08							

<sup>1</sup> Other dates also.

TABLE I.—Climatological data for United States Weather Bureau Stations, January, 1911.

Districts and stations.	Elevation of instruments.	Barometer above sea level, feet.	Temperature, reduced to mean of 24 hours.	Temperature of the air, in degrees Fahrenheit.				Mean relative humidity, per cent.	Mean wet thermometer.	Mean temperature of the dew-point.	Departure from normal.	Days with 0.01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.		
				Max. +	Min. -	Max. +	Min. -															
				Mean	max.	mean	min.															
New England.				27.7	+ 3.3	22.0	+ 1.9	50	31	32	-12	17	12	40	20	74	2.52	- 1.0		6.7		
Eastport.....	76	67	85	29.98	30.07	+ 0.07										78	2.99	- 0.9	15	10,681	w.	
Greenville.....	1,070	6		28.82	30.06			11.5	40	2	23	-18	18	0	44		2.91		11		8.0	
Portland, Me.....	103	81	117	29.96	29.09	+ 0.04		24.1	+ 2.1	50	2	33	- 0	16	39	21	15	2.58	- 1.2	12	7,405	nw.
Concord.....	288	79	79	29.78	30.11	+ 0.06		23.8	+ 2.6	57	-	2	16	14	38		1.68	- 1.7	14	4,417	nw.	
Burlington.....	404	11	48	29.65	30.12	+ 0.07		19.2	+ 2.9	47	2	29	- 8	4	9	39		1.32	- 0.5	14	10,209	s.
Northfield.....	876	16	60	29.13	30.17	+ 0.07		18.6	+ 3.5	55	3	30	- 11	5	47		2.57	- 1.2	16	6,500	n.	
Boston.....	125	115	188	29.97	30.11	+ 0.06		31.8	+ 4.8	60	2	40	- 4	16	24	30	29	2.28	- 1.5	15	8,164	w.
Nantucket.....	12	14	90	30.11	30.12	+ 0.08		31.9	+ 1.8	58	3	40	- 12	17	28	22	29	3.77	+ 0.4	19	12,384	nw.
Block Island.....	26	11	46	30.09	30.12	+ 0.05		33.7	+ 2.3	51	3	39	- 15	18	25	28	32	3.77	+ 0.7	16	14,331	sw.
Narragansett.....	9	141	165	29.95	30.13	+ 0.07		31.5	+ 3.2	52	3	40	- 6	17	24	33	32	4.09	- 0.7	16	6,6	w.
Providence.....	160	141	165	29.95	30.13	+ 0.07		31.6	+ 4.4	58	2	40	- 7	18	24	31	28	2.91	- 1.7	15	8,302	nw.
Hartford.....	159	122	140	29.96	30.14	+ 0.07		30.5	+ 5.0	52	2	38	- 7	16	23	31	27	2.77	- 1.1	12	6,194	nw.
New Haven.....	106	116	155	30.02	30.14	+ 0.06		32.1	+ 4.8	51	2	29	- 10	16	25	26	29	3.20	- 0.7	15	6,527	nw.

TABLE I.—Climatological data for United States Weather Bureau Stations, January, 1911—Continued.

TABLE I.—Climatological data for United States Weather Bureau Stations, January, 1911—Continued.

Districts and stations.	Elevation of instruments. Barometer above sea level, feet. Thermometer above ground.	Pressure in inches.	Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.	Wind.	Total movement, miles.	Average cloudiness, tenths.	Total snowfall. Snow on ground at end of month.																			
			Station, reduced to mean of 24 hours.			Sea level, reduced to mean of 24 hours.			Departure from normal.			Maximum.			Mean minimum.			Greatest daily range.			Mean wet thermometer.			Mean temperature of the dew-point.			Mean relative humidity, per cent.			Days with 0.01, or more.								
	Aneroid	Barometric	Date.	Mean maximum, + mean min., °F.	Mean maximum,	Date.	Mean minimum,	Mean minimum,	Departure from normal.	Mean maximum,	Date.	Mean minimum,	Mean minimum,	Departure from normal.	Mean maximum,	Date.	Mean minimum,	Mean minimum,	Mean wet thermometer.	Total.	Mean dew-point.	Mean relative humidity, per cent.	Days with 0.01, or more.	Total.	Prevailing direc- tion.	Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.							
North Dakota.				- 1.1	- 4.3							89	1.13	+ 0.5															5.8	6.0	10.7	10.0						
Moorhead.....	940	8	57	29.08	30.17	+ 0.03	- 0.6	- 3.3	32	28	10	- 27	3	- 12	45	- 2	- 3	90	1.07	+ 0.4	10	7,370	nw.	36	nw.	4	8	7	16									
Bismarck.....	1,674	4	57	28.25	30.16	+ 0.03	- 2.9	- 3.8	37	9	15	- 28	2	- 9	55	- 1	- 1	90	1.50	+ 1.0	8	7,143	nw.	60	nw.	3	11	10	19	5.0	5.0	14.2	8.2					
Devils Lake.....	1,482	11	44	28.44	30.14	+ 0.02	- 5.5	- 5.8	28	28	4	- 31	11	- 15	51	- 7	- 9	86	0.83	+ 0.2	9	8,964	nw.	44	nw.	3	9	5	17	6.8	6.8	9.5	7.0					
Williston.....	1,872	14	56																																			
Upper Mississippi Valley.				24.8	+ 3.2																										7.4	5.8	10.1	0.2				
Minneapolis.....	918	102	208	29.16	30.11	0.00	11.2	- 0.6	41	10	21	- 24	3	1	45	77	0.71	0.0	11	9,373	nw.	44	n.	1	9	8	14											
St. Paul.....	940	203	212	29.16	30.11	0.00	11.0	- 0.6	40	10	21	- 24	3	1	44	10	6	77	0.73	- 0.2	11	9,200	nw.	52	nw.	29	4	7	20	6.2	6.2	7.9	0.5					
La Crosse.....	714	11	49	28.92	30.13	+ 0.02	15.3	+ 0.1	43	24	25	- 20	3	5	39	79	- 0.9	- 0.3	10	4,466	s.	24	nw.	29														
Madison.....	974	70	78	29.01	30.12	+ 0.02	19.3	+ 2.8	41	28	28	- 11	4	11	37	17	13	79	0.60	- 1.0	7	7,852	nw.	38	w.	8	4	5	23	7.8	6.4	12.3						
Charles City.....	1,015	10	49	29.01	30.15	+ 0.01	12.2	+ 0.8	45	31	24	- 26	3	1	41	12	11	92	0.86	- 0.1	9	5,918	s.	32	nw.	3	3	9	19	7.6	6.6	14.7						
Davenport.....	606	71	79	29.46	30.16	+ 0.04	24.4	+ 3.6	56	10	33	- 11	3	16	32	23	20	84	1.41	- 0.2	10	5,999	w.	35	w.	8	3	3	20	7.6	5.7	5.7						
Des Moines.....	861	84	101	29.19	30.14	0.00	21.6	+ 1.2	60	10	32	- 17	3	12	42	20	16	79	0.84	- 0.4	4	6,528	w.	32	w.	10	1	4	26	8.5	6.7	6.7						
Dubuque.....	695	100	115	29.38	30.15	+ 0.03	21.2	+ 2.9	48	10	30	- 11	3	13	42	20	17	84	0.72	- 0.8	6	4,966	s.	26	nw.	8	3	11	17	7.6	5.7	6.7						
Keokuk.....	614	64	78	29.47	30.18	+ 0.04	29.6	+ 5.9	53	10	39	- 10	3	20	41	26	22	79	2.66	+ 1.0	8	5,898	sw.	37	w.	8	6	9	16	6.8	5.5	3.5						
Cairo.....	356	87	93	29.83	30.23	+ 0.07	41.0	+ 6.2	70	13	50	5	4	32	39	37	33	77	1.56	- 2.3	7	8,270	s.	31	ne.	21	3	3	13	22	8.4	6.4	0.4					
La Salle.....	536	66	64	29.58	30.18	+ 0.07	26.6	+ 4.3	52	26	35	- 1	3	19	40	- 5	- 1	9	1.78	- 0.4	15	6,490	sw.	39	n.	8	2	12	17	7.6	5.2							
Peoria.....	609	11	45	29.48	30.17	+ 0.05	27.4	+ 4.3	56	26	36	- 5	3	19	32	25	22	83	2.37	+ 0.2	9	6,616	s.	41	w.	8	3	3	12	7.6	11.3							
Springfield, Ill.....	644	10	91	29.46	30.17	+ 0.04	30.9	+ 4.6	66	26	39	- 2	2	3	22	36	28	24	78	2.34	+ 0.1	10	7,423	s.	33	w.	8	3	3	12	7.1	1.9						
Missouri Valley.	534	75	109	29.58	30.18	+ 0.05	30.6	+ 3.9	71	26	40	- 8	3	21	43	- 5	- 1	80	1.82	- 0.4	8	7,505	sw.	38	w.	1	5	8	15	7.3	1.8							
St. Louis.....	567	208	317	29.55	30.18	+ 0.04	35.5	+ 4.5	73	11	44	- 2	3	26	46	32	28	75	0.85	- 1.4	7	8,814	s.	34	s.	10	6	6	19	5.7	0.5							
Columbia, Mo.	784	11	84	29.31	30.17	+ 0.04	34.6	+ 6.3	71	26	43	- 8	3	24	50	- 1	- 1	90	0.96	- 1.3	7	7,225	s.	39	nw.	8	3	14	14	6.9	0.5							
Kansas City.....	963	161	189	29.08	30.15	0.00	32.8	+ 6.6	66	26	42	- 10	3	24	51	29	24	75	0.61	- 0.5	6	9,812	sw.	40	nw.	8	3	17	20	7.2	0.1							
St. Joseph.....	967	11	49	29.08	30.15	+ 0.01	29.6	-	63	29	38	- 11	3	21	44	26	22	78	1.76	-	6	6,602	s.	35	nw.	29	4	9	18	7.2	3.6							
Springfield, Mo.	1,324	98	104	28.72	30.16	+ 0.02	38.0	+ 6.7	73	11	48	- 9	3	28	54	35	31	78	0.28	-	5	9,007	s.	29	sw.	10	4	12	15	7.1	T.							
Iola.....	984	11	50	29.08	30.16		35.0	+ 7.4	72	29	45	- 8	3	25	50	-	-	50	0.09	- 0.9	2	6,893	s.	32	s.	10	6	12	13	7.1	T.							
Topeka.....	983	85	101				32.6	+ 6.9	67	31	42	- 10	3	23	52	-	-	54	0.4	- 0.4	7	7,479	s.	47	n.	3	14	16	1	3.8								
Lincoln.....	1,189	11	84	28.82	30.15	0.00	26.6	+ 5.4	64	29	36	- 16	3	17	54	22	17	73	1.18	- 0.4	1	9,072	s.	44	nw.	1	7	7	17	6.7	2.9							
Omaha.....	1,105	115	121	28.92	30.15	0.00	24.6	+ 4.9	60	29	43	- 7	3	16	50	22	17	73	0.45	- 0.2	3	7,233	s.	36	nw.	2	4	11	16	7.0	5.6							
Valentine.....	2,598	47	54	27.27	30.10	- 0.02	24.6	+ 6.4	65	25	38	- 24	3	11	58	20	16	76	0.40	- 0.1	3	7,581	w.	47	n.	3	14	16	1	3.8								
Sioux City.....	1,135	94	164	28.87	30.15	0.00	19.6	+ 4.0	56	31	30	- 20	3	9	49	17	13	80	0.63	+ 0.1	5	10,742	s.	56	nw.	8	6	11	14	6.7	7.0							
Pierre.....	1,572	70	75	28.36	30.12	- 0.01	18.2	+ 4.3	63	28	31	- 20	3	5	56	14	10	76	0.05	- 0.4	5	7,433	e.	46	nw.	8	11	7	13	5.6	0.4							
Huron.....	1,306	56	77	28.68	30.16	0.00	11.7	+ 2.2	61	20	46	- 2	3	14	52	26	21	60	0.23	- 0.2	3	4,974	sw.	33	nw.	2	4	10	11	4.5	1.7							
Yankton.....	1,233	49	57	28.75	30.13	- 0.03	19.6	+ 4.1	57	31	31	- 20	3	8	59	-	-	63	0.35	- 0.2	4	7,229	s.	42	sw.	9	4	14	13	5.7	4.6							
Northern Slope.	2,505	11	44	27.30	30.12	+ 0.02	1.6	- 11.9	47	7	14	- 38	2	- 10	59	- 1	- 4	85	1.42	+ 0.7	13	5,494	w.	48	w.	3	14	9	17	5.7	0.5							
Miles City.....	2,371	26	47	24.44	30.13	+ 0.01	12.1	- 2.1	43	7	24	- 24	2	1	57	85	1.5	1	1	0	9,424	s.	34	n.	3	14	9	16	5.6	T.								
Helena.....	4,110	8	56	25.68	30.04	- 0.11	17.8	- 2.2	49	30	26	- 27	12	9	50	15	11	78	1.75	+ 0.8	15	5,216	nw.	48	sw.	5	11	5	15	6.1	15.7	2.9						
Kalispell.....	2,962	11	84	24.82	29.98	- 0.14	21.8	+ 3.2	44	19	30	- 11	2	14	37	20	16	78	0.49	+ 0.0	10	3,696	nw.	22	sw.	7	4	20	27	5.7	4.0							
Rapid City.....	3,234	46	50	26.53	30.08	- 0.02																																

TABLE I.—Climatological data for United States Weather Bureau Stations, January, 1911—Continued.

TABLE II.—*Details of excessive precipitation, January, 1911.*

<sup>1</sup> Self-register not working.

<sup>2</sup> Record incomplete.

TABLE II.—*Details of excessive precipitation, January, 1911.—Continued.*

Stations.	Date.	Total duration.		Total amount of precipita- tion.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Haunibal, Mo.	13-14			1.33															(1)		
Harrisburg, Pa.	29			0.30														0.17			
Hartford, Conn.	3			0.90														0.19			
Hatteras, N. C.	17			0.31														0.08			
Havre, Mont.	31-1			0.67														(1)			
Helena, Mont.	31			0.52														(1)			
Houghton, Mich.	8			0.37														(1)			
Huron, S. Dak.	4-5			0.07														(1)			
Independence, Cal.	29			1.44														0.12			
Indianapolis, Ind.	26-27			0.79														(1)			
Iola, Kans.	13			0.03														0.01			
Jacksonville, Fla.	3			0.81														0.32			
Jupiter, Fla.	24			0.27														0.22			
Kalispell, Mont.	8			0.10														(1)			
Kansas City, Mo.	13-14			2.35														(1)			
Keokuk, Iowa	13-14			1.93														(1)			
Key West, Fla.	29			0.36														0.35			
Knoxville, Tenn.	1			1.83														0.34			
La Crosse, Wis.	1-2			0.26														(1)			
Lander, Wyo.	1			0.11														(1)			
Le Salle, Ill.	13			0.81														0.16			
Lewiston, Idaho	8			0.11														0.04			
Lexington, Ky.	29			0.69														0.21			
Lincoln, Nebr.	1			0.18														(1)			
Little Rock, Ark.	25			0.35														0.12			
Los Angeles, Cal.	28			2.24														0.36			
Louisville, Ky.	27			0.54														0.39			
Lynchburg, Va.	3			1.25														0.19			
Macon, Ga.	2			0.85														0.37			
Madison, Wis.	5			0.24														(1)			
Marquette, Mich.	1-2			2.60														(1)			
Memphis, Tenn.	1			0.64														0.29			
Meridian, Miss.	1-2	8.10 a. m.	8.40 a. m.	4.08	5.16 p. m.	5.41 p. m.	1.62	0.07	0.23	0.35	0.40	0.45						(1)			
Milwaukee, Wis.	5-6			0.62														(1)			
Minneapolis, Minn.	1-2			0.37														(1)			
Mobile, Ala.	2			1.68														0.27			
Modena, Utah.	31			0.37														0.14			
Montgomery, Ala.	1-3	5.45 p. m.	8.15 a. m.	3.91	8.31 a. m.	8.41 a. m.	0.78	0.27	0.34									(1)			
Moorhead, Minn.	7			0.36														(1)			
Mount Tamalpais, Cal.	29-30	8.00 a. m.	1.50 p. m.	2.58	5.00 p. m.	5.49 p. m.	0.93	0.10	0.22	0.34	0.40	0.46	0.53	0.59	0.65	0.71	0.78	(1)			
Nantucket, Mass.	3			0.79														(1)			
Nashville, Tenn.	1			1.11														0.25			
New Haven, Conn.	1-2			1.15														0.23			
New Orleans, La.	1-2	8.05 p. m.	10.25 a. m.	1.90	3.04 a. m.	3.39 a. m.	0.38	0.07	0.23	0.24	0.34	0.46	0.62	0.73				0.35			
New York, N. Y.	3			0.66														0.19			
Norfolk, Va.	2-3			0.78														0.27			
North Head, Wash.	17			0.69														0.24			
North Platte, Nebr.	20-21			0.24														(1)			
Northfield, Vt.	8-9			0.29														(1)			
Oklahoma, Okla.	18			0.14														0.04			
Omaha, Nebr.	1-2			0.40														(1)			
Oswego, N. Y.	3-4			0.50														(2)			
Palestine, Tex.	23			0.23														0.22			
Parkersburg, W. Va.	29			0.72														0.18			
Pensacola, Fla.	3			1.71														0.53			
Peoria, Ill.	13-14			1.23														(1)			
Philadelphia, Pa.	3			1.00														0.29			
Phoenix, Ariz.	10			0.89														0.15			
Pierre, S. Dak.	7			0.01														(1)			
Pittsburg, Pa.	29			0.61														0.28			
Pocatello, Idaho.	10			0.50														0.22			
Point Reyes Light, Cal.	19			1.11														0.28			
Port Huron, Mich.	11			0.45														0.11			
Portland, Me.	3			0.39														0.14			
Portland, Oreg.	18			4.50														0.28			
Providence, R. I.	3			0.84														0.22			
Pueblo, Colo.	21			0.04														(1)			
Raleigh, N. C.	30			0.27														0.22			
Rapid City, S. Dak.	31-1			0.07														(1)			
Red Bluff, Cal.	9	12.50 p. m.	2.42 p. m.	0.62	12.52 p. m.	1.17 p. m.	T.	0.13	0.23	0.36	0.46	0.53	0.55								
Keno, Nev.	11-12			1.41														(1)			
Richmond, Va.	3			1.43														0.28			
Rochester, N. Y.	27-28			0.55														(1)			
Roseburg, Oreg.	19			1.15														0.23			
Roswell, N. Mex.	23			0.11														(1)			
Sacramento, Cal.	30			0.97														0.25			
St. Louis, Mo.	27			0.28														(1)			
St. Paul, Minn.	1-2			0.41														(1)			
Salt Lake City, Utah.	10			0.66														(1)			
San Antonio, Tex.	18			0.01														0.01			
San Diego, Cal.	10			1.76														0.37			
Sandusky, Ohio.	13			0.88														(1)			
San Francisco, Cal.	13			1.73														0.48			
San Jose, Cal.	13			2.25														0.58			
San Luis Obispo, Cal.	31			0.76														0.53			
Santa Fe, N. Mex.	12-13			0.16														(1)			
Sault Ste. Marie, Mich.	1-2			0.34														(1)			
Savannah, Ga.	1			0.42														0.12			
Scranton, Pa.	27-28			0.73														(1)			
Seattle, Wash.	8			0.37														0.14			
Sheridan, W																					

TABLE II.—*Details of excessive precipitation, January, 1911—Continued.*

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Tatoosh Island, Wash.	24			0.45															0.17		
Taylor, Tex.	19			0.06															0.03		
Thomasville, Ga.	3			1.78															0.48		
Toledo, Ohio.	13-14			0.95															(1)		
Tonopah, Nev.	28-29			0.12															(1)		
Topeka, Kans.	13			0.42															(1)		
Valentine, Nebr.	31-1			0.74															(1)		
Vicksburg, Miss.	31-1	2.06 p. m.	5.00 p. m.	4.32	6.13 a. m.	7.01 a. m.	1.29	0.13	0.23	0.35	0.37	0.43	0.47	0.52	0.57	0.65	0.69	0.08			
Walla Walla, Wash.	19			0.26															0.20		
Washington, D. C.	1			0.62															0.02		
Wichita, Kans.	1			0.02															(1)		
Williston, N. Dak.	25-26			0.50															40		
Wilmington, N. C.	2			1.19																	
Winnebucca, Nev.	11-12			0.73															(1)		
Wytheville, Va.	30			0.43															0.36		
Yankton, S. Dak.	1			0.29															(1)		
Yellowstone Park, Wyo.	9-10			0.86															(1)		

<sup>1</sup> Self-register not working.TABLE III.—*Data furnished by the Canadian meteorological service, January, 1911.*

Districts and stations.	Pressure.			Temperature.						Precipitation.			
	Station, reduced to mean of 24 hours.	Sea level reduced to mean of 24 hours.	Departure from normal.	Mean maximum + mean minimum $\pm 2$ .	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.	
St. Johns, N. F.													
Sydney, C. B. I.	29.93	29.97	+0.04	23.9	+ 3.4	22.7	15.1	54	-2	5.97	+0.87	19.5	
Halifax, N. S.	29.92	30.03	+0.06	24.3	+ 2.5	23.6	14.9	52	-11	6.39	+0.62	10.2	
Grand Manan, N. B.	29.99	30.05	+0.06	24.8	+ 1.4	34.3	15.3	52	-9	2.45	-2.46	14.6	
Yarmouth, N. S.	29.99	30.06	+0.06	26.8	+ 0.5	35.4	18.3	50	0	4.20	-1.21	12.4	
Charlottetown, P. E. I.	29.94	29.98	+0.02	19.2	+ 2.2	28.5	9.8	47	-14	3.01	-0.95	13.7	
Chatham, N. B.	30.01	30.04	+0.07	12.4	+ 2.6	24.3	0.4	46	-24	3.48	-0.11	24.9	
Father Point, Que.	29.94	29.97	-0.01	9.4	+ 1.4	20.5	- 1.8	41	-17	3.99	+0.14	29.3	
Quebec, Que.	29.72	30.06	+0.04	8.5	- 0.6	19.0	- 2.0	41	-20	3.46	-0.55	29.1	
Montreal, Que.	29.88	30.11	+0.07	12.7	+ 1.0	22.7	2.8	43	-12	2.12	-1.61	17.0	
Stonecliffe, Ont.													
Ottawa, Ont.	29.85	30.20	+0.17	11.2	+ 1.6	22.1	0.3	40	-17	1.78	-1.21	15.8	
Kingston, Ont.	29.80	30.14	+0.09	18.5	+ 1.4	27.5	9.4	40	-16	1.47	-1.98	8.3	
Toronto, Ont.	29.71	30.11	+0.06	25.9	+ 4.5	33.0	18.8	44	-2	2.08	-0.84	8.8	
White River, Ont.	28.65	30.05	+0.04	- 3.1	- 2.7	13.6	-19.8	34	-48	0.28	-1.41	2.8	
Port Stanley, Ont.	29.47	30.13	+0.06	26.4	+ 4.2	32.8	20.1	44	4	2.84	-0.15	7.0	
Southampton, Ont.	29.36			24.1	+ 3.7	31.6	16.6	42	2	3.44	-0.61	23.9	
Parry Sound, Ont.	29.35	30.08	+0.07	17.6	+ 3.8	27.6	7.5	43	-18	2.53	-1.55	21.0	
Port Arthur, Ont.	29.34	30.09	+0.02	4.0	+ 0.9	16.6	- 8.7	35	-30	0.56	-0.26	5.6	
Winnipeg, Man.	29.28	30.19	+0.08	-10.1	- 3.3	- 0.9	-19.3	20	-37	0.43	-0.45	4.3	
Minnedosa, Man.	28.17	30.14	+0.04	-11.5	- 4.3	- 0.9	-22.0	20	-43	1.19	+0.39	11.9	
Qu'Appelle, Sask.	27.65	30.08	.00	-10.8	- 7.0	- 1.1	-20.5	31	-38	1.95	+1.45	19.5	
Medicine Hat, Alberta.													
Swift Current, Sask.													
Calgary, Alberta.	26.26	30.04	+0.01	- 0.8	- 9.2	8.9	-10.4	46	-44	0.44	-0.09	4.4	
Banff, Alberta.	25.16	30.01	+0.01	5.0	- 7.1	14.5	- 4.6	36	-36	3.12	+1.93	31.2	
Edmonton, Alberta.	27.64	30.11	+0.08	- 7.2	- 9.0	4.3	-18.7	42	-52	1.18	+0.50	11.8	
Prince Albert, Sask.													
Battleford, Sask.	28.30	30.20	+0.12	-17.0	-11.1	- 9.0	-25.0	29	-55	0.13	-0.27	1.3	
Kamloops, B. C.	28.65	30.00	+0.04	11.2	-11.8	17.4	5.0	42	-30	0.54	-0.28	4.9	
Victoria, B. C.	29.82	29.92	-0.05	36.2	- 2.3	39.9	32.5	50	15	4.30	-1.09	7.2	
Barkerville, B. C.	28.40	29.88	-0.01	5.0	-12.8	10.0	- 0.1	32	-40	5.90	+3.30	59.0	
Dawson, Yukon.	29.14			-35.0		-29.2	-40.9	2	-62	1.52		15.2	
Hamilton, Bermuda.	30.14	30.31	+0.18	60.9	- 1.1	66.1	55.7	72	47	1.78	-3.16		